

Title (en)
Rotary drill bit.

Title (de)
Rotierender Bohrer.

Title (fr)
Foret tournant.

Publication
EP 0082122 A2 19830622 (EN)

Application
EP 82850231 A 19821115

Priority
SE 8107488 A 19811215

Abstract (en)
A rotary drill bit comprising a roller cutter (13) rotatably carried over a bearing system, which comprises a friction bearing (14). For purposes of ensuring sufficient hardness of the cooperating friction surfaces and lubrication thereof and optimizing cutting ability and fatigue resistance the bearing surface (28) of the roller cutter (13) is surface-hardened by means of a thermal hardening method and provided with a solid lubricant (27), and the bearing surface (29) of the bearing pin (12) is provided with a wear resistant deposit having higher wearability than the surface-hardened bearing surface.

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B23P 15/28

IPC 8 full level
B23P 15/28 (2006.01); **E21B 10/22** (2006.01); **E21B 10/24** (2006.01)

CPC (source: EP US)
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Cited by
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Designated contracting state (EPC)
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EP 0082122 A2 19830622; **EP 0082122 A3 19850821**; **EP 0082122 B1 19870722**; BR 8207263 A 19831018; CA 1186679 A 19850507; SE 446646 B 19860929; SE 8107488 L 19830616; US 4627882 A 19861209

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EP 82850231 A 19821115; BR 8207263 A 19821214; CA 416675 A 19821130; SE 8107488 A 19811215; US 72778985 A 19850426